

a2

a manipulator to directly manipulate the high-precision numbers without first converting to high precision numbers to produce an effect.

a3

48. (amended) A system for digitally processing transform-coded data representing a phenomenon, the system comprising:
an inverse quantizer to perform an inverse quantization of said transform-coded data to form transform data;
an inverse transformer to perform an inverse transform of said transform data to the real domain forming high-precision numbers; and
a manipulator for directly manipulating the high-precision numbers without first converting to high precision numbers to produce an effect.

a4

59. (amended) An article of manufacture comprising a computer usable medium having computer readable program code means embodied therein for digitally processing transform data representing a phenomenon, the computer readable program code means in said article of manufacture comprising computer readable program code means for causing a computer to effect:
performing an inverse transform of said transform data to the real domain forming high-precision numbers; and
directly manipulating said high-precision numbers without first converting the high precision number to integers to produce an effect.

a5

65. (amended) A program storage device readable by machine, tangibly embodying a program of instructions executable by the machine to perform method steps for digitally processing transform-coded data representing a phenomenon, said method steps comprising:
performing an inverse quantization of said transform-coded data forming transform data;
performing an inverse transform of said transform data to the real domain forming high-precision numbers; and
59. An article of manufacture comprising a computer usable medium having computer readable program code means embodied therein for digitally processing transform data representing a phenomenon, the computer readable program code means in said article of manufacture comprising computer readable program code means for causing a computer to effect:
performing an inverse transform of said transform data to the real domain forming high-precision numbers; and
directly manipulating said high-precision numbers without first converting the high precision number to integers to produce an effect.